-1- (JAPIO)

ACCESSION NUMBER	86-078067
TITLE	FUEL CELL
PATENT APPLICANT	(2000445) HITACHI CHEM CO LTD
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PATENT NUMBER	86.04.21 J61078067, JP 61-78067
APPLICATION DETAILS	84.09.25 84JP-200248, 59-200248
SOURCE	86.08.26 SECT. E, SECTION NO. 431; VOL. 10, NO. 248, PG. 135.
INT'L PATENT CLASS	H01M-008/10
JAPIO CLASS	42.9 (ELECTRONICS--Other); 35.0 (NEW ENERGY SOURCES--General)
FIXED KEYWORD CLASS	R052 (FIBERS--Carbon Fibers); R057 (FIBERS--Non-woven Fabrics)
ABSTRACT	PURPOSE: To prevent flow-out and replenishment of electrolyte and improve cell characteristic by using cation exchange resin particles excessively bridged as electrolyte. CONSTITUTION: Strong acid cation exchange resin particle 10 are made electrolyte and the resin constituting resin particles 10 have bridge formation agent of 0.8-5 molar % as constituting compound. As the bridge formation degree of general strong acid cation exchange resin particles 10 is 8-10 molar %, the bridge formation degree of the above strong acid cation exchange resin particles 10 is relatively low. Then, they can be swelled well and can have better ion conductivity to prevent flow-out and replenishment of electrolyte, and cell characteristic can be improved.